

Special Issue

Observations and Models for End-User Services in Coastal Marine Systems

Message from the Guest Editors

Presently, existing earth observing facilities and networks (such as Copernicus, GEOSS, GOOS, and EMODNet) provide a 'wealth of marine data' collected by satellites, on-site static and mobile sensors, and produced by operational numerical models, stored in repositories in the form of big databases. The coupling and downscaling of these coarse resolution numerical models of global coverage, the deployment of local online sensors, and the combined use of remote sensing and the data post-processing and assimilation enables the generation of high-quality services that could be offered to a wide range of end-users, such as ports, aquaculture, navigation, marine renewables, oil and gas, tourism, marine surveillance, public authorities, and more. Such core, on-demand derived data services lie at the heart of Blue Economy and Growth, the central EU policy for marine sustainability and jobs creation. Through this Special Issue, we invite authors to submit their work related to integrated observational/modeling systems, data platforms, and data post-processing techniques to derive services for the multiple end-users spectrum, operating in the coastal to continental shelf zones.

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In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

Editor-in-Chief

Dr. Jean-Luc PROBST

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